SEQUENCE LISTING

<110> Howard, Andrew D.
O'Neill, Gary P.
O'Dowd, Brian
George, Susan

<120> G PROTEIN-COUPLED RECEPTOR
RESEMBLING-GALANIN RECEPTORS

<130> 20397P

<140> 09/914,106
<141> 2001-08-23

<150> PCT/US00/04416
<151> 2000-02-22

<150> 60/121,651
<151> 1999-02-24

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 1197
<212> DNA
<213> Homo Sapiens

<400> 1
atgcacaccg tggctacgtc cggacccaac gcgtcctggg gggcaccggc caacgcctcc 60
ggctgcccgg gctgtggcgc caacgcctcg gacggcccag tcccttcgcc gcgggccgtg 120
gacgcctggc tcgtgccgct cttcttcgcg gcgctgatgc tgctgggcct ggtggggaac 180
tcgctggtca tctacgtcat ctgccgccac aagccgatgc ggaccgtgac caacttctac 240
atcgccaacc tggcggccac ggacgtgacc ttcctcctgt gctgcgtccc cttcacggcc 300
ctgctgtacc cgctgcccgg ctgggtgctg ggcgacttca tgtgcaagtt cgtcaactac 360
atccagcagg tctcggtgca ggccacgtgt gccactctga ccgccatgag tgtggaccgc 420
tggtacgtga cggtgttccc gttgcgcgcc ctgcaccgcc gcacgccccg cctggcgctg 480
gctgtcagcc tcagcatctg ggtaggctct gcggcggtgt ctgcgccggt gctcgccctg 540
caccgcctgt cacccgggcc gcgcgcctac tgcagtgagg ccttccccag ccgcgccctg 600
gagcgcgcct tcgcactgta caacctgctg gcgctgtacc tgctgccgct gctcgccacc 660
tgcgcctgct atgcggccat gctgcgccac ctgggccggg tcgccgtgcg ccccgcgccc 720
gccgatagcg ccctgcaggg gcaggtgctg gcagagcgcg caggcgccgt gcgggccaag 780
gtctcgcggc tggtggcggc cgtggtcctg ctcttcgccg cctgctgggg ccccatccag 840
ctgttcctgg tgctgcaggc gctgggcccc gcgggctcct ggcacccacg cagctacgcc 900
gcctacgcgc ttaagacctg ggctcactgc atgtcctaca gcaactccgc gctgaacccg 960
ctgctctacg ccttcctggg ctcgcacttc cgacaggcct tccgccgcgt ctgcccctgc 1020
gcgccgcgcc gccccccgccg cccccgccgg cccggaccct cggaccccgc agccccacac 1080
gcggagctgc tccgcctggg gtcccacccg gcccccgcca gggcgcagaa gccagggagc 1140
agtgggctgg ccgcgcgcgg gctgtgcgtc ctgggggagg acaacgcccc tctctga 1197

<210> 2
<211> 1254
<212> DNA
<213> Rattus Rattus

<400> 2
ccacagtccc aggacgcaat ctgtgaaggc tgcctggagg aggaggaggg cgacagggcc 60
atggccgcag aggcgacgtt gggtccgaac gtgagctggt gggctccgtc caacgcttcg 120
ggatgcccgg gctgcggtgt caatgcctcg gatggcccag gctccgcgcc aaggcccctg 180

```
gatgcctggc tggtgcccct gtttttcgct gccctaatgt tgctggggct agtcgggaac     240
tcactggtca tcttcgttat ctgccgccac aagcacatgc agaccgtcac caatttctac     300
atcgctaacc tggcggccac agatgtcact ttccttctgt gctgcgtacc cttcaccgcg     360
ctcctctatc cgctgcccac ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac     420
atccagcagg tctcggtgca agccacatgt gccactttga cagccatgag tgtggaccgc     480
tggtacgtga ctgtgttccc gctgcgtgca cttcaccgcc gcactccgcg cctggccctg     540
actgtcagcc ttagcatctg ggtgggttcc gcagctgttt ccgccccggt gctggctctg     600
caccgcctgt cgcccgggcc tcacacctac tgcagtgagg cgtttcccag ccgtgccctg     660
gagcgcgctt tcgcgctcta caacctgctg gccctatacc tgctgccgct gctcgccacc     720
tgcgcctgct acggtgccat gctgcgccac ctgggccgcg ccgctgtacg ccccgcaccc     780
actgatggcg ccctgcaggg gcagctgcta gcacagcgcg ctggagcagt gcgcaccaag     840
gtctcccggc tggtggccgc tgtcgtcctg ctcttcgccg cctgctgggg cccgatccag     900
ctgttcctgg tgcttcaagc cctgccgctc gggggcctgg caccctcgaa gctatgcgcc     960
tacgcgctca agatctgggc tcactgcatg tcctacagca attctgcgct caacccgctg    1020
ctctatgcct tcctgggttc ccacttcaga caggccttct gccgcgtgtg cccctgcggc    1080
ccgcaacgcc agcgtcggcc ccacgcgtca gcgcactcgg accgagccgc accccatagt    1140
gtgccgcaca gccgggctgc gcaccctgtc cgggtcagga cccccgagcc tgggaaccct    1200
gtggtgcact cgccctctgt tcaggatgaa cacactgccc cactctgagc tgcc           1254
```

<210> 3
<211> 398
<212> PRT
<213> Homo Sapiens

<400> 3

```
Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro
 1               5                  10                  15
Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
            20                  25                  30
Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
        35                  40                  45
Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
    50                  55                  60
Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
65                  70                  75                  80
Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
                85                  90                  95
Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp
            100                 105                 110
Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
        115                 120                 125
Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
    130                 135                 140
Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
145                 150                 155                 160
Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
                165                 170                 175
Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser
            180                 185                 190
Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
        195                 200                 205
Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
    210                 215                 220
Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro
225                 230                 235                 240
Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala
                245                 250                 255
Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
            260                 265                 270
Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
        275                 280                 285
Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu
```

290 295 300
Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
305 310 315 320
Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg
325 330 335
Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Arg Pro Gly
340 345 350
Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu Leu Arg Leu Gly Ser
355 360 365
His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala
370 375 380
Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu
385 390 395

<210> 4
<211> 395
<212> PRT
<213> Rattus Rattus

<400> 4
Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro
1 5 10 15
Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly
20 25 30
Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
35 40 45
Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
50 55 60
Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
65 70 75 80
Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
85 90 95
Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Thr Trp Val Leu Gly Asp
100 105 110
Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
115 120 125
Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
130 135 140
Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
145 150 155 160
Thr Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
165 170 175
Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro His Thr Tyr Cys Ser
180 185 190
Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
195 200 205
Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
210 215 220
Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro
225 230 235 240
Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala
245 250 255
Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
260 265 270
Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
275 280 285
Pro Leu Gly Gly Leu Ala Pro Ser Lys Leu Cys Ala Tyr Ala Leu Lys
290 295 300
Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro Leu
305 310 315 320
Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg Val
325 330 335

```
Cys Pro Cys Gly Pro Gln Arg Gln Arg Arg Pro His Ala Ser Ala His
            340                 345                 350
Ser Asp Arg Ala Ala Pro His Ser Val Pro His Ser Arg Ala Ala His
        355                 360                 365
Pro Val Arg Val Arg Thr Pro Glu Pro Gly Asn Pro Val Val His Ser
    370                 375                 380
Pro Ser Val Gln Asp Glu His Thr Ala Pro Leu
385                 390                 395

<210> 5
<211> 346
<212> PRT
<213> Rattus Rattus

<400> 5
Met Glu Leu Ala Pro Val Asn Leu Ser Glu Gly Asn Gly Ser Asp Pro
 1               5                  10                  15
Glu Pro Pro Ala Glu Pro Arg Pro Leu Phe Gly Ile Gly Val Glu Asn
            20                  25                  30
Phe Ile Thr Leu Val Val Phe Gly Leu Ile Phe Ala Met Gly Val Leu
        35                  40                  45
Gly Asn Ser Leu Val Ile Thr Val Leu Ala Pro Ser Lys Pro Gly Lys
    50                  55                  60
Pro Arg Ser Thr Thr Asn Leu Phe Ile Leu Asn Leu Ser Ile Ala Asp
65                  70                  75                  80
Leu Ala Tyr Leu Leu Phe Cys Ile Phe Phe Gln Ala Thr Val Tyr Ala
                85                  90                  95
Leu Pro Thr Trp Val Leu Gly Ala Phe Ile Cys Lys Phe Ile His Tyr
            100                 105                 110
Phe Phe Thr Val Ser Met Leu Val Ser Ile Phe Thr Leu Ala Ala Met
        115                 120                 125
Ser Val Asp Arg Tyr Val Ala Ile Val His Ser Arg Arg Ser Ser Ser
    130                 135                 140
Leu Arg Val Ser Arg Asn Ala Leu Leu Gly Val Gly Phe Ile Trp Ala
145                 150                 155                 160
Leu Ser Ile Ala Met Ala Ser Pro Val Ala Tyr Tyr Gln Arg Leu Phe
                165                 170                 175
His Arg Asp Ser Asn Gln Thr Phe Cys Trp Glu His Trp Pro Asn Gln
            180                 185                 190
Leu His Lys Lys Ala Tyr Val Val Cys Thr Phe Val Phe Gly Tyr Leu
        195                 200                 205
Leu Pro Leu Leu Leu Ile Cys Phe Cys Tyr Ala Lys Val Leu Asn His
    210                 215                 220
Leu His Lys Lys Leu Lys Asn Met Ser Lys Lys Ser Glu Ala Ser Lys
225                 230                 235                 240
Lys Lys Thr Ala Gln Thr Val Leu Val Val Val Val Val Phe Gly Ile
                245                 250                 255
Ser Trp Leu Pro His His Val Ile His Leu Trp Ala Glu Phe Gly Ala
            260                 265                 270
Phe Pro Leu Thr Pro Ala Ser Phe Phe Phe Arg Ile Thr Ala His Cys
        275                 280                 285
Leu Ala Tyr Ser Asn Ser Ser Val Asn Pro Ile Ile Tyr Ala Phe Leu
    290                 295                 300
Ser Glu Asn Phe Arg Lys Ala Tyr Lys Gln Val Phe Lys Cys Arg Val
305                 310                 315                 320
Cys Asn Glu Ser Pro His Gly Asp Ala Lys Glu Lys Asn Arg Ile Asp
                325                 330                 335
Thr Pro Pro Ser Thr Asn Cys Thr His Val
            340                 345

<210> 6
<211> 372
```

<212> PRT
<213> Rattus Rattus

<400> 6
Met Asn Gly Ser Gly Ser Gln Gly Ala Glu Asn Thr Ser Gln Glu Gly
1 5 10 15
Gly Ser Gly Gly Trp Gln Pro Glu Ala Val Leu Val Pro Leu Phe Phe
20 25 30
Ala Leu Ile Phe Leu Val Gly Thr Val Gly Asn Ala Leu Val Leu Ala
35 40 45
Val Leu Leu Pro Gly Gly Gln Ala Val Ser Thr Thr Asn Leu Phe Ile
50 55 60
Leu Asn Leu Gly Val Ala Asp Leu Cys Phe Ile Leu Cys Cys Val Phe
65 70 75 80
Phe Gln Ala Thr Ile Tyr Thr Leu Asp Asp Trp Tyr Phe Gly Ser Leu
85 90 95
Leu Cys Lys Ala Val His Phe Leu Ile Phe Leu Thr Met His Ala Ser
100 105 110
Ser Phe Thr Leu Ala Ala Val Ser Leu Asp Arg Tyr Leu Ala Ile Arg
115 120 125
Tyr Pro Leu His Ser Arg Glu Leu Arg Ile Pro Arg Asn Ala Leu Ala
130 135 140
Ala Ile Gly Leu Ile Trp Gly Leu Ala Leu Leu Phe Ser Gly Pro Tyr
145 150 155 160
Ile Ser Tyr Tyr Arg Gln Ser Gln Leu Ala Asn Leu Thr Val Cys His
165 170 175
Pro Ala Trp Ser Ala Pro Arg Arg Arg Ala Met Asp Leu Cys Thr Phe
180 185 190
Val Phe Ser Tyr Leu Leu Pro Val Leu Val Leu Ser Leu Thr Tyr Ala
195 200 205
Arg Thr Leu Arg Tyr Leu Trp Arg Thr Val Asp Phe Val Thr Ala Gly
210 215 220
Ser Gly Ser Gln Arg Ala Lys Arg Lys Val Thr Pro Met Ile Ile Ile
225 230 235 240
Val Ala Val Leu Phe Cys Leu Cys Trp Met Pro His His Ala Leu Ile
245 250 255
Leu Cys Val Trp Phe Gly Arg Phe Pro Leu Thr Arg Ala Thr Tyr Ala
260 265 270
Leu Arg Ile Leu Ser His Leu Val Ser Tyr Ala Asn Ser Cys Val Asn
275 280 285
Pro Ile Val Tyr Ala Leu Val Ser Lys His Phe Arg Lys Gly Phe Arg
290 295 300
Lys Ile Cys Ala Gly Leu Leu Arg Pro Ala Pro Arg Arg Ala Ser Gly
305 310 315 320
Arg Val Ser Ile Leu Ala Pro Gly Asn His Ser Gly Ser Met Leu Glu
325 330 335
Gln Glu Ser Thr Asp Leu Thr Gln Val Ser Glu Ala Ala Gly Pro Leu
340 345 350
Val Pro Pro Pro Ala Leu Pro Asn Cys Thr Ala Ser Ser Arg Thr Leu
355 360 365
Asp Pro Ala Cys
370

<210> 7
<211> 370
<212> PRT
<213> Rattus Rattus

<400> 7
Met Ala Asp Ile Gln Asn Ile Ser Leu Asp Ser Phe Gly Ser Val Gly
1 5 10 15
Ala Val Ala Val Pro Val Ile Phe Ala Leu Ile Phe Leu Leu Gly Met

```
            20                  25                  30
Val Gly Asn Gly Leu Val Leu Ala Val Leu Leu Gln Pro Gly Pro Ser
        35                  40                  45
Ala Trp Gln Glu Pro Arg Ser Thr Thr Asp Leu Phe Ile Leu Asn Leu
    50                  55                  60
Ala Val Ala Asp Leu Cys Phe Ile Leu Cys Cys Val Phe Phe Gln Ala
65                  70                  75                  80
Ala Ile Tyr Thr Leu Asp Ala Trp Leu Phe Gly Ala Phe Val Cys Lys
                85                  90                  95
Thr Val His Leu Leu Ile Tyr Leu Thr Met Tyr Ala Ser Ser Phe Thr
            100                 105                 110
Leu Ala Ala Val Ser Leu Asp Arg Tyr Leu Ala Val Arg His Gln Leu
        115                 120                 125
Arg Ser Arg Ala Leu Arg Ile Pro Pro Asn Ala Arg Ala Ala Val Gly
    130                 135                 140
Leu Val Trp Leu Leu Ala Ala Leu Phe Ser Ala Pro Tyr Leu Ser Tyr
145                 150                 155                 160
Tyr Gly Thr Val Arg Tyr Gly Ala Leu Glu Leu Cys Val Pro Ala Trp
                165                 170                 175
Glu Asp Ala Arg Arg Pro Arg Leu Asp Val Ala Thr Phe Ala Ala Gly
            180                 185                 190
Tyr Leu Leu Pro Val Ala Val Val Ser Leu Ala Tyr Gly Arg Thr Leu
        195                 200                 205
Cys Phe Leu Trp Ala Ala Val Gly Pro Ala Gly Ala Ala Ala Ala Glu
    210                 215                 220
Ala Arg Pro Arg Ala Thr Gly Phe Ala Gly Pro Ala Met Leu Ala Val
225                 230                 235                 240
Ala Ala Leu Tyr Ala Leu Cys Trp Gly Pro His His Ala Leu Ile Leu
                245                 250                 255
Cys Phe Trp Tyr Gly Arg Phe Ala Phe Ser Pro Ala Thr Tyr Ala Cys
            260                 265                 270
Arg Leu Ala Ser His Gly Leu Ala Tyr Ala Asn Ser Cys Leu Asn Pro
        275                 280                 285
Leu Val Val Ser Leu Ala Ser Arg His Phe Arg Ala Arg Phe Arg Arg
    290                 295                 300
Leu Trp Pro Cys Gly Arg Cys Arg His Arg His His His Arg Ala His
305                 310                 315                 320
Arg Ala Leu Arg Arg Val Cys Pro Ala Ser Ser Gly Pro Ala Gly Tyr
                325                 330                 335
Pro Gly Asp Ala Pro Pro Arg Gly Trp Ser Met Glu Pro Arg Gly Asp
            340                 345                 350
Ala Leu Arg Gly Gly Gly Glu Thr Arg Leu Thr Leu Ser Pro Arg Gly
        355                 360                 365
Pro Gln
    370
```

<210> 8
<211> 372
<212> PRT
<213> Rattus Rattus

```
<400> 8
Met Glu Pro Val Pro Ser Ala Arg Ala Glu Leu Gln Phe Ser Leu Leu
 1                5                  10                  15
Ala Asn Val Ser Asp Thr Phe Pro Ser Ala Phe Pro Ser Ala Ser Ala
            20                  25                  30
Asn Ala Ser Gly Ser Pro Gly Ala Arg Ser Ala Ser Ser Leu Ala Leu
        35                  40                  45
Ala Ile Ala Ile Thr Ala Leu Tyr Ser Ala Val Cys Ala Val Gly Leu
    50                  55                  60
Leu Gly Asn Val Leu Val Met Phe Gly Ile Val Pro Tyr Thr Lys Leu
65                  70                  75                  80
```

```
Lys Thr Ala Thr Asn Ile Tyr Ile Phe Asn Leu Ala Leu Ala Asp Ala
                85                  90                  95
Leu Ala Thr Ser Thr Leu Phe Phe Gln Ser Ala Lys Tyr Leu Met Glu
            100                 105                 110
Thr Trp Pro Phe Gly Glu Leu Leu Cys Lys Ala Val Leu Ser Ile Asp
        115                 120                 125
Tyr Tyr Asn Met Phe Thr Ser Ile Phe Thr Leu Thr Met Met Ser Val
    130                 135                 140
Asp Arg Tyr Ile Ala Val Cys His Pro Val Lys Ala Leu Asp Phe Arg
145                 150                 155                 160
Thr Pro Ala Lys Ala Lys Leu Ile Asn Ile Cys Ile Trp Val Leu Ala
                165                 170                 175
Ser Gly Val Gly Val Pro Ile Met Val Met Ala Val Thr Gln Pro Arg
            180                 185                 190
Asp Gly Ala Val Val Cys Thr Leu Gln Phe Pro Ser Pro Ser Trp Tyr
        195                 200                 205
Trp Asp Thr Val Thr Lys Ile Cys Val Phe Leu Phe Ala Phe Val Val
    210                 215                 220
Pro Ile Leu Ile Ile Thr Val Cys Tyr Cys Leu Met Leu Leu Arg Leu
225                 230                 235                 240
Arg Ser Val Pro Leu Leu Ser Gly Ser Lys Glu Lys Asp Arg Ser Leu
                245                 250                 255
Arg Arg Ile Thr Pro Met Val Leu Val Val Val Gly Ala Phe Val Val
            260                 265                 270
Cys Trp Ala Pro Ile His Ile Phe Val Ile Val Trp Thr Leu Val Asp
        275                 280                 285
Ile Asn Arg Arg Asp Pro Leu Val Val Ala Ala Leu His Leu Cys Ile
    290                 295                 300
Ala Leu Gly Tyr Ala Asn Ser Ser Leu Asn Pro Val Leu Tyr Ala Phe
305                 310                 315                 320
Leu Asp Glu Asn Phe Lys Arg Cys Phe Arg Gln Leu Cys Arg Ala Pro
                325                 330                 335
Cys Gly Gly Cys Glu Pro Gly Ser Leu Arg Arg Pro Arg Gln Ala Thr
            340                 345                 350
Ala Arg Glu Arg Val Thr Ala Cys Thr Pro Ser Asp Gly Pro Gly Gly
        355                 360                 365
Gly Ala Ala Ala
    370
```

<210> 9
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer

<400> 9
ctgaccggca tgasytgayc gmta 24

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer

<400> 10
gaaggcgtag asaggrtt 18

<210> 11

<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer

<400> 11
atgcacaccg tggctacgtc c 21

<210> 12
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR Primer

<400> 12
tcagagaggg gcgttgtcct c 21